

WHAT IS CLAIMED IS:

1. A method for processing a print job in a rendering device, comprising:
constructing at least two display list objects for to-be-printed objects of said print
5 job, each said display list object having attributes thereof; and
comparing said attributes of said at least two display list objects.

2. The method of claim 1, further including freeing memory locations of said attributes
associated with one of said at least two display list objects.

10

3. The method of claim 1, further including modifying a pointer associated with one of
said at least two display list objects.

15

4. The method of claim 1, further including eliminating a pointer associated with one of
said at least two display list objects.

5. The method of claim 1, further including appending vector drawing commands of one
of said at least two display list objects onto vector drawing commands of the other of said
at least two display list objects.

20

6. The method of claim 1, further including constructing an ink attribute, a region
attribute and a type attribute for each of said at least two display list objects.

25

7. The method of claim 1, further including eliminating an entirety of one of said at least
two display list objects.

8. The method of claim 1, further including more than said at least two display list
objects wherein said comparing said attributes further includes comparing said attributes
of adjacent display list objects.

30

9. The method of claim 1, further including rendering said to-be-printed objects into a device specific page in memory.

10. A computer readable media having computer executable instructions for performing
5 the steps recited in claim 1.

11. A printer having a graphics engine with computer executable instructions stored in a memory accessible by the graphics engine for performing the steps recited in claim 1.

10 12. A method for processing a print job in a rendering device, comprising:
constructing a plurality of display list objects for to-be-printed objects of said
print job, each said display list object having an ink attribute and a region attribute; and
one of comparing said ink attributes of two or more said display list objects for
sameness and comparing said region attributes of two or more said display list objects for
15 compatibility.

13. The method of claim 12, further including receiving an indication that all said to-be-printed objects have been presented.

20 14. The method of claim 12, wherein said comparing said region attributes further includes examining vector drawing commands of adjacent said display list objects.

15. The method of claim 14, further including appending said vector drawing commands of one of said display list objects onto said vector drawing commands of another of said
25 display list objects.

16. The method of claim 15, further including eliminating a pointer associated with said one of said display list objects.

30 17. The method of claim 15, further including freeing memory locations of said vector drawing commands of said one of said display list objects.

18. The method of claim 12, wherein said comparing said ink attributes further includes examining color values of said display list objects for substantial similarity.

5 19. The method of claim 18, further including modifying a pointer associated with one of said display list objects to point at said color values of another of said display list objects.

20. The method of claim 19, further including freeing memory locations of said color values of said one of said display list objects.

10

21. A method for processing a PDL print job in a printer, said PDL print job having at least two to-be-printed objects, comprising:

receiving an indication that said at least two to-be-printed objects have been presented;

15 constructing a display list object for each of said at least two to-be-printed objects, each said display list object having an ink attribute and a region attribute;

comparing said ink attributes of each said display list object;

comparing said region attributes of said each said display list object; and

20 rendering said at least two to-be-printed objects into a device specific page in memory.

22. The method of claim 21, wherein said comparing said ink attributes further includes examining color values thereof for sameness.

25 23. The method of claim 21, wherein said comparing said region attributes further includes examining vector drawing commands thereof for compatibility.

24. The method of claim 21, further including freeing some memory locations of said ink attributes and said region attributes.

30

25. The method of claim 21, further including modifying or eliminating a pointer associated with one of said display list objects.

26. A method for processing a PDL print job in a printer, said PDL print job having a plurality of to-be-printed objects on a to-be-printed page, comprising:

receiving an indication that said to-be-printed objects have been presented;
constructing a display list for said to-be-printed page, said display list having an object for each of said to-be-printed objects and a root, each said object having an ink attribute and a region attribute;

comparing color values of said ink attributes of each said object for sameness;
comparing vector drawing commands of said region attributes of said each said object for compatibility;

one of modifying and eliminating a pointer associated with one of said objects;
freeing memory locations of said color values and said vector drawing

commands; and

rendering said to-be-printed objects into a device specific page in memory.

27. A method for processing a print job in a rendering device, comprising:

comparing attributes of display list objects for to-be-printed objects of said print job; and

sharing said attributes.

28. The method of claim 27, wherein said sharing further includes freeing memory locations of said attributes.

29. The method of claim 27, further including modifying a pointer of one of said display list objects.

30. The method of claim 27, wherein said sharing further includes appending vector drawing commands of one of said display list objects onto vector drawing commands of another of said display list objects.

31. The method of claim 27, wherein said comparing further includes examining said attributes between adjacent said display list objects.

5 32. The method of claim 27, wherein said comparing further includes one of comparing color values of ink attributes of each said display list object for sameness and comparing vector drawing commands of region attributes of said each said display list object for compatibility.

10 33. The method of claim 27, further including rendering said to-be-printed objects into a device specific page in memory.

34. A computer readable media having computer executable instructions for performing the steps recited in claim 27.

15

35. A printer having a graphics engine with computer executable instructions stored in a memory accessible by the graphics engine for performing the steps recited in claim 27.

20 36. A method for processing a PDL print job in a printer, said PDL print job having a plurality of to-be-printed objects on a to-be-printed page, comprising:

receiving an indication that said to-be-printed objects have been presented;

constructing a display list for said to-be-printed page, said display list having an object display list for each of said to-be-printed objects and a root, each said object having an ink attribute and a region attribute;

25 comparing color values of said ink attributes of each said object for sameness;
comparing vector drawing commands of said region attributes of said each said object for compatibility;

sharing one said ink attributes and said region attributes; and

rendering said to-be-printed objects into a device specific page in memory.